## **AUTHOR INDEX TO VOLUME 154**

Achler V cas P Duccom	154 (1989) 280
Achkar, Y., see B. Bussery Adachi, Y., see S. Matsunuma	154 (1989) 555
Ahlrichs, R., M. Häser, H. Schnöckel and M. Tacke, Aluminum η <sup>2</sup> -olefin bonds in dimeric	134 (1707) 333
1,4-dichloro-1,4-dialumina-2,5-cyclohexadiene	154 (1989) 104
Akamatsu, N., see S. Matsunuma	154 (1989) 555
Albert, I.D.L., see S. Ramasesha	154 (1989) 501
Almlöf, J., see S. Sæbø	154 (1989) 83
Amrhein, E.M., see J.A. Centeno	154 (1989) 97
Angeloni, L. and R. Righini, Anomalous temperature dependence of the vibrational ex-	
citon lifetime in NaNO <sub>3</sub> crystal	154 (1989) 115
Angeloni, L., R. Righini, P.R. Salvi and V. Schettino, Relaxation dynamics of Fermi dou-	
blets in CS <sub>2</sub>	154 (1989) 432
Apkarian, V.A., see N. Schwentner	154 (1989) 237
Apkarian, V.A., see N. Schwentner	154 (1989) 413
Atakan, B., A. Jacobs, M. Wahl, R. Weller and J. Wolfrum, Kinetic studies of the gas-phase	
reactions of CN with O <sub>2</sub> and H <sub>2</sub> from 294 to 1000 K	154 (1989) 449
Aubert-Frécon, M., see B. Bussery	154 (1989) 280
Baba, H., see N. Ikeda	154 (1989) 207
Back, M.H., see L. Giroux	154 (1989) 610
Back, R.A., see L. Giroux	154 (1989) 610
Baggott, J.E., M.A. Blitz and P.D. Lightfoot, The reaction of gas-phase dimethylsilylene	
with dimethyl ether	154 (1989) 330
Balasubramanian, K. and J.Z. Wang, Spectroscopic properties and potential energy curves	
of thirty-six electronic states of ZrH	154 (1989) 525
Ballhausen, C.J., A note on the $V=A/x^2+Bx^2$ potential, Chem. Phys. Letters 146 (1988)	
449. Erratum	154 (1989) 174
Barbara, P.F., see S.R. Flom	154 (1989) 193
Baronavski, A.P., see L. Pasternack	154 (1989) 121
Barrientos, A., see J.A. Centeno	154 (1989) 97
Barron, L.D., L. Hecht and P.L. Polavarapu, Polarized Raman optical activity in methyl	4.5.4.4.000\ 0.5.4
antisymmetric deformations: influence of heteroatom Rydberg orbitals	154 (1989) 251
Barth, S., see C. Jäger	154 (1989) 45
Bayes, K.D., see K.H. Becker	154 (1989) 342
Beach, D.B., see S.M. Gates	154 (1989) 505
Beaman, R., see R. Sobczynski  Poslov K. H. P. Frank and R. P. Wisser and K. D. Posso Pate constants for CH(Y2H) as	154 (1989) 349
Becker, K.H., B. Engelhardt, P. Wiesen and K.D. Bayes, Rate constants for $CH(X^2\Pi)$ re-	154 (1000) 242
actions at low total pressures  Phaskar N.D. P. Frusholz, C.M. Klimeak and P. A. Cook, Production of mass selected	154 (1989) 342
Bhaskar, N.D., R.P. Frueholz, C.M. Klimcak and R.A. Cook, Production of mass-selected neutral clusters of rubidium	154 (1989) 175
Bin Hussein, M.Z., see J.M. Hollas	154 (1989) 173
Din Hussein, 191.2., See J.191. Hollas	134 (1989) 14

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	10 February 1989
Bin Hussein, M.Z., see J.M. Hol Blair, J.T., J.D. Westbrook, R.M.	llas M. Levy and K. Krogh-Jespersen, Simple models for sol-	154 (1989) 228
vation effects on electronic tr Blasse, G., G.J. Dirksen, A. Mei	ransition energies: formaldehyde and water jerink, J.F. van der Pol, E. Neeleman and W. Drenth, Lu- ation in the solid state and in the ordered columnar me-	154 (1989) 531
	n-dodecoxy-substituted phthalocyanine	154 (1989) 420
Blitz, M.A., see J.E. Baggott		154 (1989) 330
Bloor, J.E., see D.W. Noid		154 (1989) 391
dimensional electronic condu-	ents, M.V. Jesudason, P.F. Knowles and G. Williams, One- ctivity in discotic liquid crystals, Chem. Phys. Letters 152	154 (1000) (12
(1988) 94. Erratum		154 (1989) 613
Boursey, E., see C. Maïnos		154 (1989) 563
	he role of solitons in the first B <sub>u</sub> excited state of polyene	154 (1000) 56
chains: from short polyenes to		154 (1989) 56
	R.R. Ernst, Hyperfine-selective ENDOR	154 (1989) 285
Bushby, R.J., see N. Boden	that February Contact interesting arrange in the discussion	154 (1989) 613
* f. a f	ubert-Frécon, Coulomb interaction energy including over-	154 (1000) 200
lap effects for the ground stat	tes of Lina and Na <sub>2</sub>	154 (1989) 280
Calabrese, J.C., see W. Tam		154 (1989) 93
	f, The $a^2\Delta$ versus $2^3\Pi$ state of the cesium hydride molecule	154 (1989) 484
Castex, M.C., see C. Maïnos	, The u is versus 2 11 state of the costain hydride molecule	154 (1989) 563
	nd A. Barrientos, Use of first-order Raman scattering to	10 (1)0)
	perconductors: effects of surface changes	154 (1989) 97
	ring technique for bound state calculations within density	
functional theory	,	154 (1989) 541
Chaudhuri, R., see D. Sinha		154 (1989) 544
Chuang, T.J., see A. Mödl		154 (1989) 187
Clark, D.L., J.C. Green, C.M. Ro	edfern, G.E. Quelch, I.H. Hillier and M.F. Guest, An extudy of the ionization energies of Ru <sub>2</sub> (O <sub>2</sub> CCF <sub>3</sub> ) <sub>4</sub> and	, , , , , , , , , , , , , , , , , , , ,
$Ru_2(O_2CCF_3)_4(NO)_2$		154 (1989) 326
• *	npetition between vibrational and rotational excitation in	
glyoxal		154 (1989) 62
Clements, J., see N. Boden		154 (1989) 613
Clouthier, D.J., see J.R. Dunlop		154 (1989) 613
Collart, P., see N. Ikeda		154 (1989) 207
Cook, R.A., see N.D. Bhaskar		154 (1989) 175
Cuccaro, S.A., P.G. Hipes and A tering using variational surface	. Kuppermann, Hyper-spherical coordinate reactive scat- e functions	154 (1989) 155
Dagdigian, P.J., see J.P. Doering		154 (1989) 234
Dateo, C.E., see D.C. Clary		154 (1989) 62
De Merás, A.M.S., see J. Olsen		154 (1989) 380
De Schryver, F.C., see N. Ikeda		154 (1989) 207
	Hoff and A.M. Tyryshkin, Orientation-dependent ESEEM	(1707) 201
spectroscopy in disordered s	systems. Applications to bis(acetylacetonato)oxovana- solution and comparison with ENDOR data	154 (1989) 34

DIN THE RESERVE AND DESCRIPTION OF THE PROPERTY AND THE P	
Di Napoli, V., A. Mele, D. Stranges, A. Giardini-Guidoni and R. Teghil, IR laser photol-	154 (1000) 217
ysis of mixtures of silane with nitric oxide and acetylene	154 (1989) 217
Dirksen, G.J., see G. Blasse	154 (1989) 420
Doering, J.P. and P.J. Dagdigian, Experimental electron scattering spectrum of atomic	154 (1000) 224
carbon	154 (1989) 234
Domen, K., see A. Mödl	154 (1989) 187
Drenth, W., see G. Blasse	154 (1989) 420
Dunlop, J.R., J. Karolczak and D.J. Clouthier, Pyrolysis jet spectroscopy, Chem. Phys. Let-	
ters 151 (1988) 362. Erratum	154 (1989) 613
Dunning, F.B., see C.W. Walter	154 (1989) 409
Durant Jr., J.L. and F.P. Tully, Kinetic study of the reaction between CN and O <sub>2</sub> from 295	
to 710 K	154 (1989) 568
Files V. D. Sülele and H. Schwarz. On the concretion and identification of stable HCN/	
Eller, K., D. Sülzle and H. Schwarz, On the generation and identification of stable HCN/	
Cu(0) and HNC/Cu(0) complexes in the gas phase using neutralization/reionization	154 (1000) 442
mass spectrometry (NRMS)	154 (1989) 443
Engelhardt, B., see K.H. Becker	154 (1989) 342
Ernst, R.R., see C. Bühlmann	154 (1989) 285
Evelo, R.G., see S.A. Dikanov	154 (1989) 34
Fajardo, M.E., see N. Schwentner	154 (1989) 237
Feltz, A., see C. Jäger	154 (1989) 45
Fernández, A., Sequence dependence for the melting of globular states in heteropolymers	154 (1989) 396
Fijan, D., D. Veža and G. Pichler, Photochemical production of the electronically excited	( , , , , , , , , , , , , , , , , , , ,
NaCd excimer	154 (1989) 126
Flom, S.R., G.C. Walker, L.E. Lynch, L.L. Miller and P.F. Barbara, Degenerate four-wave	10 (1505) 120
mixing experiments on polyacene quinones	154 (1989) 193
Fraissard, J., see M.A. Springuel-Huet	154 (1989) 299
Freedman, T.B., see L.A. Nafie	154 (1989) 260
Fromherz, P., Dissipative spinodal condensation of membrane proteins	154 (1989) 146
Frueholz, R.P., see N.D. Bhaskar	154 (1989) 175
	154 (1989) 77
Fushiki, M., An anisotropic hypernetted chain approximation for the spherical cell model	,
Futami, H., see M. Koyanagi	154 (1989) 577
Gates, S.M., C.M. Greenlief, D.B. Beach and R.R. Kunz, Reactive sticking coefficient of	
silane on the Si(111)-(7 $\times$ 7) surface	154 (1989) 505
Gershenzon, Yu.M., see M.A. Ioffe	154 (1989) 131
Giardini-Guidoni, A., see V. Di Napoli	154 (1989) 217
Giroux, L., M.H. Back and R.A. Back, A comment on the rotational isomerization of	10 ( (1202 ) 21 /
ethylene	154 (1989) 610
Glasbeek, M., see E. van Oort	154 (1989) 587
Goddard, J.D., A computational study of the HCCO and HCCS radicals	154 (1989) 387
Goldman, S., A radially accurate perturbation theory for molecular liquids: the structure	134 (1707) 307
of nitrogen	154 (1989) 536
	154 (1989) 165
Grätzel, M., see G. Rothenberger	,
Gray, C.G., see C.G. Joslin	154 (1989) 369
Green, J.C., see D.L. Clark	154 (1989) 326

Volume 154, number 6 CHEM	IICAL PHYSICS LETTERS	10 February	1989
Greenlief, C.M., see S.M. Gates		154 (1989	) 505
Groenen, E.J.J., see M. Ros		154 (1989	
Güdel, H.U., see C. Reber		154 (1989	
Guerin, B., see W. Tam		154 (1989	
Guest, M.F., see D.L. Clark		154 (1989	•
Guldberg, A., Some properties of symmetrized	d transition density matrices based on con-		,
figuration interaction wavefunctions		154 (1989	) 487
Halstead, D., see S. Holloway		154 (1989	) 181
Harris, K.D.M. and P. Jonsen, <sup>2</sup> H NMR invest	tigation of the dynamic behaviour of n-hex-		
adecane in its urea inclusion compound		154 (1989	) 593
Häser, M., see R. Ahlrichs		154 (1989	) 104
Hashimoto, H. and Y. Koyama, The C=C stret	tching Raman lines of β-carotene isomers in		
the S <sub>1</sub> state as detected by pump-probe res	onance Raman spectroscopy	154 (1989	321
Hawlicka, E., G. Pálinkás and K. Heinzinger, A	A molecular dynamics study of liquid meth-		
anol with a flexible six-site model		154 (1989	255
Hayaishi, T., see K. Ueda		154 (1989	357
Hayaishi, T., see S. Nagaoka		154 (1989	363
Hecht, L., see L.D. Barron		154 (1989	251
Heeger, A.J., see J.L. Brédas		154 (1989	) 56
Heinzinger, K., see E. Hawlicka		154 (1989	255
Henglein, A., Non-metallic silver clusters in ac	queous solution: stabilization and chemical	154 (1000	472
reactions	1 · COED · 1 1	154 (1989	) 4/3
Hidaka, Y., T. Nakamura and H. Kawano, Hig	gh temperature pyrolysis of CF <sub>3</sub> Br in shock	154 (1000)	572
waves		154 (1989)	
Higuchi, J., see Y. Shioya		154 (1989)	
Hillier, I.H., see D.L. Clark		154 (1989)	
Hipes, P.G., see S.A. Cuccaro	NI+ (NI ) 1	154 (1989)	
Hiraoka, K. and S. Yamabe, Stabilities of the	$N_3$ ( $N_2$ ) <sub>n</sub> cluster ions with $n=1-11$	154 (1989)	
Hirose, C., see S. Matsunuma		154 (1989)	
Hochstrasser, R.M., see H.P. Trommsdorff		154 (1989)	
Hoff, A.J., see S.A. Dikanov		154 (1989)	) 34
Hollas, J.M. and M.Z. bin Hussein, The C(1)-			
rostyrene from $S_1$ - $S_0$ fluorescence in a supe	•	154 (1989)	) 14
Hollas, J.M. and M.Z. bin Hussein, The C(1)-C trans-3-fluorostyrene by supersonic jet speci		154 (1989)	228
Holloway, S. and D. Halstead, The scattering of		154 (1989)	
Houriet, R. and T. Vulpius, Formation of meta		134 (1767)	, 101
actions: the bond energies of Cr <sub>2</sub> <sup>+</sup> and Mn <sub>2</sub> <sup>+</sup>	i cluster ions by gas-phase ion-molecule re-	154 (1989)	454
Huang, R., see Z. Ma		154 (1989)	
		154 (1989)	
Hummel, A., see M. Tachiya		134 (1909)	1 471
Ikeda, N., H. Baba, H. Masuhara, P. Collart, I			
lecular excimer formation of the diastereois			
revealed by picosecond time-resolved absorp	ption spectroscopy	154 (1989)	207
Ikuta, S. and O. Nomura, An ab initio study or	the intramolecular hydrogen bond of pro-		
tonated ethylene glycol and ethylenediamine	e	154 (1989)	71

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	101	February	1989
volume 134, number 6	CHEMICAL FITTSICS LETTERS	101	cordary	1707
Inoue, T., see A. Tachibana		154	(1989)	403
Ioffe, M.A., Yu.M. Gershenzon, V.B. Roz	enshtein and S.Ya. Umanskii, Non-Arrhenius be-			
havior of the F+H <sub>2</sub> reaction rate at 2	293–700 K	154	(1989)	131
Ishikawa, S., see A. Tachibana		154	(1989)	403
Jacobs, A., see B. Atakan		154	(1989)	449
	Na NMR study of the NASICON system		(1)0)	
$Na_{1+x}Zr_2(PO_4)_{3-x}(SiO_4)_x$	The file of the file of the system	154	(1989)	45
	calculation of the Cotton-Mouton constant and		,	
hyperpolarizability of helium		154	(1989)	521
Jensen, H.J.Aa., see J. Olsen		154	(1989)	380
Jesudason, M.V., see N. Boden		154	(1989)	613
Jones, H., see RD. Urban		154	(1989)	135
Jonsen, P., see K.D.M. Harris		154	(1989)	593
Jørgensen, P., see J. Olsen		154	(1989)	380
Joslin, C.G. and C.G. Gray, Far-infrared	absorption in liquid carbon tetrachloride: a the-			
oretical study of the lineshape and int	ensity	154	(1989)	369
Kamisuki, T., see S. Matsunuma		154	(1989)	555
Kanno, H., see S. Yamauchi		154	(1989)	248
Karolczak, J., see J.R. Dunlop		154	(1989)	613
Kasuya, T., see T. Munakata		154	(1989)	604
Kawano, H., see Y. Hidaka		154	(1989)	573
Kaziska, A.J., see S.A. Wittmeyer		154	(1989)	1
	ka and M.R. Topp, Mode- and complexation-spe-			
	ed perylene studied by time-resolved fluorescence			
spectroscopy			(1989)	
	Nuclear spin state relaxation in formaldehyde	154	(1989)	292
	nura, Crystalline two-dimensional domains of cy-	154	(1000)	202
anine dyes at interfaces			(1989)	
Klimcak, C.M., see N.D. Bhaskar			(1989)	
Knowles, P.F., see N. Boden			(1989)	
Koszykowski, M.L., see D.W. Noid			(1989) (1989)	
Koyama, Y., see H. Hashimoto	S. Yamauchi, Direct evidence of photochemical	134 (	(1909)	321
α-cleavage of benzoin in fluid solution	•	154 (	(1989)	577
Koyano, I., see K. Ueda	5		(1989)	
Koyano, I., see S. Nagaoka			1989)	
Krogh-Jespersen, K., see J.T. Blair			1989)	
Kunz, R.R., see S.M. Gates		,	1989)	
Kupka, H., see T. Ledwig			1989)	
Kuppermann, A., see S.A. Cuccaro			1989)	
	al studies involving low energy helium ions and		, , , ,	
mercury bromide		154 (	1989)	599
La Duff V and C Maine		154	1000)	562
Le Duff, Y., see C. Maïnos	nue On the mechanism of triplet singlet select	154 (	1989)	303
ation in phenanthrene	pus, On the mechanism of triplet-singlet relax-	154 (	1989)	309
•			,	

Legon, A.C. and C.A. Rego, H,19F nuclear-spin-nuclear-spi	n counling in the rotational
spectrum of (CH <sub>3</sub> ) <sub>3</sub> <sup>15</sup> NHF and the lengthening of the H	
Levy, R.M., see J.T. Blair	154 (1989) 531
Li, Z. and H.A. Scheraga, Computation of the free energy of	
Carlo recursion method	154 (1989) 516
Lightfoot, P.D., see J.E. Baggott	154 (1989) 330
Lindsay, B.G., see C.W. Walter	154 (1989) 409
Ludwig, P.K., see J. Notholt	154 (1989) 101
Lynch, L.E., see S.R. Flom	154 (1989) 193
Lynden-Bell, R.M., see PO. Westlund	154 (1989) .67
Ma, Z., R. Huang and C. Zhang, Multi-quantum transfer vib	orational relaxation in super-
sonic jets of $I_2(B, v' = 43)$ seeded in Ar, $N_2$ and CO	154 (1989) 9
Madonia, F., see P.L. San Biagio	154 (1989) 477
Magg, U., see RD. Urban	154 (1989) 135
Maïnos, C., Y. Le Duff, M.C. Castex and E. Boursey, Pressur	e effects in multiple resonant
multiphoton transitions	154 (1989) 563
Majenz, W., see W. Rettig	154 (1989) 335
Maki, A.H., see B.D. Schlyer	154 (1989) 39
Marks, A.J., J.N. Murrell and A.J. Stace, The influence of mole	ecular rotation on a gas-phase
unimolecular isomerisation reaction	154 (1989) 492
Masuhara, H., see N. Ikeda	154 (1989) 207
Mataga, N., see N. Ikeda	154 (1989) 207
Matsunuma, S., N. Akamatsu, T. Kamisuki, Y. Adachi and	C. Hirose, Resonance CARS
spectrum of p-aminophenylthiyl radical and Raman spect	rum of bis-(p-aminophenyl)
disulfide	154 (1989) 555
Mauersberger, K., see J. Morton	154 (1989) 143
McCammon, J.A., see C.F. Wong	154 (1989) 151
McLauchlan, K.A. and N.J.K. Simpson, The transfer of electrons	
DEP) to secondary radicals	154 (1989) 550
Meech, S.R. and K. Yoshihara, Picosecond dynamics of adso	
face second-harmonic generation	154 (1989) 20
Meijerink, A., see G. Blasse	154 (1989) 420
Mele, A., see V. Di Napoli	154 (1989) 217
Michael, A., see V. Kushawaha	154 (1989) 599
Miller, L.L., see S.R. Flom	154 (1989) 193
Mitchell, J.B.O. and S.L. Price, On the electrostatic directional	lity of N-HO=C hydrogen
bonding	154 (1989) 267
Mödl, A., K. Domen and T.J. Chuang, Laser-induced CH <sub>2</sub> a	nd C <sub>2</sub> H <sub>4</sub> formation and de-
sorption from CH <sub>2</sub> I <sub>2</sub> adsorbed on Al surfaces	154 (1989) 187
Mohsin, S.B., M. Trenary and H.J. Robota, Kinetics of ethylic	dyne formation on Pt(111)
from time-dependent infrared spectroscopy	154 (1989) 511
Möhwald, H., see S. Kirstein	154 (1989) 303
Morton, J., B. Schueler and K. Mauersberger, Oxygen fraction	
through <sup>54</sup> O <sub>3</sub>	154 (1989) 143
Motyka, A.L., see S.A. Wittmeyer	154 (1989) 1
Motyka, A.L., see A.J. Kaziska	154 (1989) 199

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	10 February 1989
Mukai, M., see M. Koyanagi		154 (1989) 577
Mukherjee, D., see D. Sinha		154 (1989) 544
Mukhopadyay, S.K., see D. Sinha		154 (1989) 544
	air production from CH <sub>3</sub> Cl and CH <sub>3</sub> Br with 118 nm	( )
laser light	•	154 (1989) 604
Murrell, J.N., see A.J. Marks		154 (1989) 492
Mutai, K., see R. Nakagaki		154 (1989) 581
Nafie, L.A. and T.B. Freedman, Dua	l circular polarization Raman optical activity	154 (1989) 260
Nagakura, S., see R. Nakagaki		154 (1989) 581
Nagaoka, S., see K. Ueda		154 (1989) 357
	E. Shigemasa, Y. Sato, A. Yagishita, T. Nagata and ation following inner-core level excitation of Pb(CH <sub>3</sub> ) <sub>4</sub>	
in the vapor phase		154 (1989) 363
Nagata, T., see K. Ueda		154 (1989) 357
Nagata, T., see S. Nagaoka		154 (1989) 363
nitro-1-naphthoxyl and anilino ch	ura, Photochemistry of chain molecules containing 4-romophores. Switching of reaction pathways due to	
methylene chain length and magne	etic field effects	154 (1989) 581
Nakamura, T., see Y. Hidaka		154 (1989) 573
Neeleman, E., see G. Blasse		154 (1989) 420
Newman, J., see P.L. San Biagio		154 (1989) 477
Niles, S. and C.A. Wight, Photofragm		154 (1989) 458
	d and M.L. Koszykowski, Calculation of ab initio fre-	
quencies from short time classical	trajectories	154 (1989) 391
Nomura, O., see S. Ikuta		154 (1989) 71
Noréus, D. and J. Tomkinson, Inelast complex in Na <sub>2</sub> PdH <sub>2</sub>	tic neutron scattering studies of a novel linear PdH <sub>2</sub>	154 (1989) 439
Notholt, J. and P.K. Ludwig, On the	assignment of the central line ( $\approx 1025 \text{ cm}^{-1}$ ) in the	
SERS spectrum of aqueous pyridin	ne solutions	154 (1989) 101
Obi, K., see K. Takahashi		154 (1989) 223
	ensen and P. Jørgensen, Excitation energies, transizabilities for CH <sup>+</sup> . A comparison of multiconfigur-	
	nfiguration interaction calculations queous mixtures of monohydric alcohols from near-	154 (1989) 380
infrared absorption spectra	quodus minorios er menen, une ureeneis nem neur	154 (1989) 212
Ossig, F., see A. Penzkofer		154 (1989) 111
Pálinkás, G., see E. Hawlicka		154 (1989) 255
Palma, M.U., see P.L. San Biagio		154 (1989) 477
Pasternack, L., B.R. Weiner and A.P.	Baronavski, Rotational distributions of CO from the CO using nonresonant four-wave mixing for VUV	22.7 (22.22) 117
generation		154 (1989) 121
Penzkofer, A. and F. Ossig, Absorption	on recovery of the pyrimidocarbocyanine dye PYC	154 (1989) 111
Perkampus, HH., see T. Ledwig		154 (1989) 309
Peyerimhoff, S.D., see M. Carnell		154 (1989) 484

Volume 154, number 6	HEMICAL PHYSICS LETTERS	10 February 1989
Pichler, G., see D. Fijan		154 (1989) 126
Polavarapu, P.L., see L.D. Barron		154 (1989) 251
Price, S.L., see J.B.O. Mitchell		154 (1989) 267
Quelch, G.E., see D.L. Clark		154 (1989) 326
	tatic polarizabilities of correlated finite model	154 (1000) 501
systems  Page M. Sign reversal of recommence via	icotronio mivino in NMP anastronomi	154 (1989) 501
Rance, M., Sign reversal of resonances via Reber, C. and H.U. Güdel, Near-infrared YP <sub>3</sub> O <sub>9</sub> : V <sup>3+</sup>	luminescence spectroscopy of Al <sub>2</sub> O <sub>3</sub> :V <sup>3+</sup> and	154 (1989) 242 154 (1989) 425
Redfern, C.M., see D.L. Clark		154 (1989) 326
Rego, C.A., see A.C. Legon		154 (1989) 468
	adiabatic photoreaction channels in stilbene	134 (1707) 400
derivatives	memoral processors commences in someone	154 (1989) 335
Righini, R., see L. Angeloni		154 (1989) 115
Righini, R., see L. Angeloni		154 (1989) 432
Robota, H.J., see S.B. Mohsin		154 (1989) 511
Ros, M. and E.J.J. Groenen, The triplet state troscopy of a polyenal	te of dodecapentaenal: electron spin echo spec-	154 (1989) 29
	f spatial confinement on the rate of bimolecular	101 (1707) 27
reactions in organized liquid media		154 (1989) 165
Rozenshtein, V.B., see M.A. Ioffe		154 (1989) 131
Sadeghi, N., see R. Sobczynski		154 (1989) 349
Sæbø, S. and J. Almlöf, Avoiding the integ	ral storage bottleneck in LCAO calculations of	
electron correlation		154 (1989) 83
Salvi, P.R., see L. Angeloni		154 (1989) 432
	and M.U. Palma, Co-solute control of the self-	
assembly of a biopolymeric supramolect	ular structure	154 (1989) 477
Sato, Y., see K. Ueda		154 (1989) 357
Sato, Y., see S. Nagaoka		154 (1989) 363
Scheraga, H.A., see Z. Li		154 (1989) 516
Schettino, V., see L. Angeloni	on An ODMR study of smalling flowing in	154 (1989) 432
a Shpol'skii matrix	ser, An ODMR study of amphiphilic flavins in	154 (1989) 39
Schnöckel, H., see R. Ahlrichs		154 (1989) 104
Schramm, B., see J. Kern		154 (1989) 292
Schueler, B., see J. Morton		154 (1989) 143
Schwahn, H., see J. Kern		154 (1989) 292
Schwarz, H., see K. Eller		154 (1989) 443
Schweiger, A., see C. Bühlmann		154 (1989) 285
	karian, Rydberg series of charge transfer exci-	( , , , , , , , , , , , , , , , , , , ,
tations in halogen-doped rare gas crystal		154 (1989) 237
	I state rare gas halide laser: XeF in crystalline	
argon		154 (1989) 413
Senn, P., Comment on the bound states of the	he Schrödinger equation with the potential $V=$	
$A/x^2 + Bx^2$		154 (1989) 172

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	10 February 1989
Setser, D.W., see R. Sobczynski		154 (1989) 349
Shigemasa, E., see K. Ueda		154 (1989) 357
Shigemasa, E., see S. Nagaoka		154 (1989) 363
Shimomura, M., see S. Kirstein		154 (1989) 303
	, A time-resolved electron spin resonance study of the	,
triplet states of 1-nitronaphthale		154 (1989) 25
Simpson, N.J.K., see K.A. McLauch		154 (1989) 550
Sinha, D., S.K. Mukhopadyay, R. C.	Chaudhuri and D. Mukherjee, The eigenvalue-indepen- ock space: an alternative route to open-shell coupled-	
cluster theory for incomplete mo	odel spaces	154 (1989) 544
Smith, K.A., see C.W. Walter		154 (1989) 409
Sobczynski, R., R. Beaman, D.W. Se	etser and N. Sadeghi, Generation of Kr(3P0) atoms in	
a flow reactor: reactions with CC	$N_2$ , $NF_3$ and $F_2$	154 (1989) 349
Spotswood, M., see D.W. Noid		154 (1989) 391
	ard, <sup>129</sup> Xe NMR of xenon adsorbed on the molecular Chemical shift anisotropy related to the asymmetry of	
the adsorption zones		154 (1989) 299
Stace, A.J., see A.J. Marks		154 (1989) 492
Stevenson, S.H., see W. Tam		154 (1989) 93
Stranges, D., see V. Di Napoli		154 (1989) 217
Sülzle, D., see K. Eller		154 (1989) 443
	n-rotational NMR relaxation of spherical molecules in	
the gas phase		154 (1989) 49
	e and T. Yamabe, Extended orbital vibronic constant	
	ductivity in a molecular model of polyacetylene	154 (1989) 403
	of an external electric field on the escape probability	
in groups of multiple ion pairs in	irradiated nonpolar liquids	154 (1989) 497
Tacke, M., see R. Ahlrichs		154 (1989) 104
	d T. Tani, Picosecond kinetics of spectral sensitization	
by a J-aggregated dye on AgBr m	•	154 (1989) 223
bene (MMONS): crystal structur	and S.H. Stevenson, 3-methyl-4-methoxy-4'-nitrostil- re of a highly efficient material for second-harmonic	
generation		154 (1989) 93
Tanaka, I., see K. Takahashi		154 (1989) 223
Tang, C.L., see I. Walmsley		154 (1989) 315
Tani, T., see K. Takahashi		154 (1989) 223
HOSi+ and HSiS+/HSSi+ system		154 (1989) 374
	e intensities of CH-stretching overtones in chloroform	
and deuterochloroform		154 (1989) 273
Teghil, R., see V. Di Napoli		154 (1989) 217
	aw for the thermal dissociation of diatomic molecules	
under non-equilibrium conditions	S	154 (1989) 90
Temkin, S.I., see A.A. Suvernev		154 (1989) 49
Tomkinson, J., see D. Noréus		154 (1989) 439
Topp, M.R., see S.A. Wittmeyer		154 (1989) 1

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	10 February 1989
Topp, M.R., see A.J. Kaziska		154 (1989) 199
Trenary, M., see S.B. Mohsin		154 (1989) 511
	er and R.M. Hochstrasser, Narrow band laser-induced pho-	10. (1707) 011
tochemical processes in poly	the control of the co	154 (1989) 463
Tsuchida, A., see M. Yamamo		154 (1989) 559
Tsujii, Y., see M. Yamamoto		154 (1989) 559
Tully, F.P., see J.L. Durant Jr.		154 (1989) 568
Tyryshkin, A.M., see S.A. Dika		154 (1989) 34
	ato, S. Nagaoka, I. Koyano, A. Yagishita, T. Nagata and ation following the 3d core excitation of Sn(CH <sub>3</sub> ) <sub>4</sub> by soft	
X-rays		154 (1989) 357
Ueda, K., see S. Nagaoka		154 (1989) 363
Umanskii, S.Ya., see M.A. Ioff	è	154 (1989) 131
Urban, RD., U. Magg and H.	Jones, The infrared spectrum of two isotopic species of gal-	
lium hydride (69GaH and 7	GaH)	154 (1989) 135
Van der Pol, J.F., see G. Blasse		154 (1989) 420
Van Leeuwen, P.A., see E. van		154 (1989) 587
	n and M. Glasbeek, Phase control of spin coherence in elec-	154 (1707) 507
	requency microwave excitation	154 (1989) 587
Veža, D., see D. Fijan	requestey interestate exertation	154 (1989) 126
Visser, A.J.W.G., see B.D. Schl	lver	154 (1989) 39
Vulpius, T., see R. Houriet	· ·	154 (1989) 454
Wahl, M., see B. Atakan		154 (1989) 449
Walker, G.C., see S.R. Flom		154 (1989) 193
	.L. Tang, On the difference between quantum beats in im-	
	cattering and resonance Raman scattering	154 (1989) 315
Walter, C.W., B.G. Lindsay, K.,	A. Smith and F.B. Dunning, Translational energy release in	
dissociative electron attachn	nent to CH <sub>3</sub> I, CD <sub>3</sub> I, CF <sub>3</sub> I and CF <sub>3</sub> Br	154 (1989) 409
Wang, J.Z., see K. Balasubrama	anian	154 (1989) 525
Weiner, B.R., see L. Pasternack		154 (1989) 121
Weller, R., see B. Atakan		154 (1989) 449
Westbrook, J.D., see J.T. Blair		154 (1989) 531
Westlund, PO. and R.M. Lynd	den-Bell, Separation of vibrational dephasing and reorien-	
tational contributions to the	infrared and Raman lineshapes in a simulation of MeCN	154 (1989) 67
Wiesen, P., see K.H. Becker		154 (1989) 342
Wight, C.A., see S. Niles		154 (1989) 458
Williams, G., see N. Boden		154 (1989) 613
Wise, F.W., see I. Walmsley		154 (1989) 315
•	A.L. Motyka and M.R. Topp, Time-resolved desorption of	
argon and methane from the	e surface of a perylene molecule	154 (1989) 1
Wittmeyer, S.A., see A.J. Kazis	ka	154 (1989) 199
Wolfrum, J., see B. Atakan		154 (1989) 449
	McCammon, Glass transition in SPC/E water and in a pro-	
tein solution: a molecular dy	namics simulation study	154 (1989) 151

Volume 154, number 6	CHEMICAL PHYSICS LETTERS	10 February 1989
Yagi, M., see Y. Shioya		154 (1989) 25
Yagishita, A., see K. Ueda		154 (1989) 357
Yagishita, A., see S. Nagaoka		154 (1989) 363
Yamabe, S., see K. Hiraoka		154 (1989) 139
Yamabe, T., see A. Tachibana		154 (1989) 403
Yamamoto, M., Y. Tsujii and A. T	suchida, Near-infrared charge resonance band of intra-	
molecular carbazole dimer radio	cal cations studied by nanosecond laser photolysis	154 (1989) 559
Yamauchi, S. and H. Kanno, Obse	ervation of resolved Raman bands for solvated ions in	
glassy alcohol solutions		154 (1989) 248
Yamauchi, S., see M. Koyanagi		154 (1989) 577
Yoshihara, K., see S.R. Meech		154 (1989) 20
Zeigler, J.M., see H.P. Trommsdor	rff	154 (1989) 463
Zerbetto, F., see A.W. Tarr		154 (1989) 273
Zhang, C., see Z. Ma		154 (1989) 9
Zheng, C., see C.F. Wong		154 (1989) 151